

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-12 (Canceled)

13. (Currently amended) A system for remote status readings, comprising:
a communication network comprising a plurality of electromagnetic induction loops;
a central controller linked to the communication network; and
a plurality of peripheral devices linked to the central controller through the communication network, each of the plurality of peripheral devices associated with a respective one of the plurality of electromagnetic induction loops, each peripheral device adopting at each instant having an instantaneous status belonging to a plurality of possible statuses, the controller being operative to periodically scan the peripheral devices to read their instantaneous statuses, the communication network being operatively provided so as configured to link the peripheral devices to the controller by radio frequency means inductive coupling, each of the peripheral devices being supplied with electrical energy via radio frequency through the intermediary of powered by inductive coupling with the associated one of the plurality of electromagnetic induction loops of the communication network.

14. (Currently amended) The system for remote status readings according to claim 13, wherein the communication network comprises a series circuit supplied by the controller and a plurality of electromagnetic induction loops for powering the peripheral devices.

15. (Previously presented) The system for remote status readings according to claim 14, wherein each peripheral device has its own identification code, the controller having a configuration memory in which are stored correlatively, for each peripheral device, the identification code of the peripheral device and a localization parameter identifying the location of the peripheral device in the network, the controller being operative to read, for each peripheral device, the instantaneous status and identification code of the peripheral device, with a result that each instantaneous status read is correlated, by the controller, to a location in the network.

16. (Previously presented) The system for remote status readings according to claim 15, wherein each peripheral device includes a transmitter-receiver circuit and at least one status encoder adopting an instantaneous status constituting or participating in building up the instantaneous status of the peripheral device, the status encoder being linked to the transmitter-receiver circuit to allow the peripheral device to transmit the instantaneous status of the encoder to the controller.

17. (Currently amended) The system for remote status readings according to claim 16, wherein each peripheral device includes an electronic tag having a memory containing the identification code attributed to the peripheral device, a local antenna coupled to an one of the plurality of electromagnetic induction loops of the communication network to receive the electrical energy transmitted by the one of the plurality of electromagnetic induction loops, and the transmitter-receiver circuit, the transmitter-receiver circuit being linked to the local antenna so as to be able at least to receive from the controller a transmission order and to be able to transmit to the controller, apart from the instantaneous status of the encoder, the identification code of the tag.

18. (Previously presented) The system for remote status readings according to claim 16, wherein each peripheral device includes, as the status encoder, at least one appropriate element.

19. (Previously presented) The system for remote status readings according to claim 18, wherein the appropriate element is an electric contact.

20. (Previously presented) The system for remote status readings according to claim 16, wherein each peripheral device includes, as the status encoder, at least one sensor sensitive to influence of a physical parameter to which the peripheral device is subjected.

21. (Previously presented) The system for remote status readings according to claim 16, wherein each peripheral device furthermore includes a display element.

22. (Previously presented) The system for remote status readings according to claim 13, wherein each peripheral device forms a command terminal for management of remote commands.

23. (Previously presented) The system for remote status readings according to claim 16, wherein each peripheral device forms a call terminal for management of remote calls.

24. (Previously presented) The system for remote status readings according to claim 23, wherein each peripheral device is installed at a specific location and forms a call terminal for a means of transport.

25. (Previously presented) The system for remote status readings according to claim 24, wherein each peripheral device is installed on a respective floor of a building and forms a call terminal for an elevator.

26. (Previously presented) The system for remote status readings according to claim 24, wherein the status encoder of each peripheral device includes a plurality of appropriate elements each of which identifies an assigned destination for the means of transport from a departure position represented by the specific location.

27. (Currently amended) The system for remote status readings according to claim 14, wherein each peripheral device includes a local antenna coupled to ~~an~~ one of the plurality of electromagnetic induction loops of the communication network to receive the electrical energy transmitted by the one of the plurality of electromagnetic induction loops.

28. (Currently amended) The system for remote status readings according to claim 27, wherein the one of the plurality of induction loops and antenna are separated by a support, the peripheral devices as being supplied with electrical energy through the support.

29. (Previously presented) The system for remote status readings according to claim 28, wherein the support is formed of a dielectric material.

30. (Previously presented) The system for remote status readings according to claim 29, wherein the support is formed as a partition.

31. (Previously presented) The system for remote status readings according to claim 14, wherein an electric power signal circulating in the series circuit has a frequency lower than 500 kHz.

32. (Previously presented) The system for remote status readings according to claim 31, wherein the electric power signal in the series circuit is modulated at 125 kHz.

33. (Previously presented) The system for remote status readings according to claim 14, wherein an electric power signal circulating in the series circuit has a frequency between 500 kHz and 125 kHz.

34. (New) An elevator installation at a building, the elevator installation comprising:

a first power induction loop positioned at a wall of a first floor space of the building;

a second power induction loop positioned at a wall of a second floor space of the building, the first and second power induction loops being wired to each other;

a first peripheral device induction loop positioned at the wall of the first floor space and configured to be inductively coupled through the wall of the first floor space with the first power induction loop;

a second peripheral device induction loop positioned at the wall of the second floor space and configured to be inductively coupled through the wall of the second floor space with the second power induction loop;

a first peripheral circuit component wired to the first peripheral device induction loop, the first peripheral circuit component comprising a first switch configured to indicate a first elevator operation call through the first peripheral device induction loop and through the first power induction loop; and

a second peripheral circuit component wired to the second peripheral induction loop, the second peripheral circuit component comprising a second switch configured to indicate a second elevator operation call through the second peripheral device induction loop and through the second power induction loop.

35. (New) A method for remote status readings, comprising:

powering a plurality of peripheral devices from a central controller via a communication network, each of the plurality of peripheral devices having a device induction loop, the communication network comprising a plurality of electromagnetic induction loops, each of the plurality of electromagnetic induction loops associated with the device induction loop of a respective one of the plurality of peripheral devices, each of the plurality of peripheral devices powered via inductive coupling between the device induction loop and the associated one of the plurality of electromagnetic induction loops; and

linking each of the plurality of peripheral devices with the central controller through the communication network via inductive coupling between the device induction loop and the associated one of the plurality of electromagnetic induction loops;

scanning each of the plurality of peripheral devices via the communication network to read an instantaneous status of each of the plurality of peripheral devices via the communication network, the instantaneous status belonging to a plurality of possible status.